

MICRO INVERTERS

SINGLE PHASE (0.6kW TO 1kW)



TECHNICAL PARAMETERS	GSI-600W2M-MIC	GSI-800W2M-MIC	GSI-1000W2M-MIC
PV String Input Data			
Max. PV Input Power(W)	210-420(2 PCS)	210-560(2 PCS)	210-700(2 PCS)
Max. PV Input Voltage(V)		60	
Start-up Voltage(V)		20	
MPPT Voltage Range(V)		25-55	
Rated PV Input Voltage(V)		42.5	
Max. Operating PV Input Current(A)		18+18	
Max. Input Short Circuit Current(A)		27+27	
No. of MPPT Trackers/No. of Strings		2/1	
AC Output Side			
Rated AC Output Active Power(W)	600	800	1000
Max. AC Output Apparent Power(VA)	600	800	1000
Rated AC Output Current(A)	2.4	3.2	4
Max. AC Output Current(A)	2.5	3.3	4.3
Rated Output Voltage Range(V)		220/230, 0.85Un-1.1Un	
Grid Connection Form		L/N/PE	
Rated Grid Frequency Range		50 ± 5Hz, 60 ± 5Hz	
Max. Unit per Branch	8	6	5
Power Factor Adjustment Range		0.9 leading-0.9 lagging	
Total Current Harmonic Distortion(THDi)		<3%	
DC Injection Current		<0.5%In	
Efficiency			
Max. Efficiency		96.5%	
Euro Efficiency		96%	
MPPT Efficiency		>99%	
Equipment Protection			
DC Reverse Polarity Connection Protection		Yes	
AC Output Over Current Protection		Yes	
AC Output Over Voltage Protection		Yes	
AC Output Short Circuit Protection		Yes	
Thermal Protection		Yes	
DC Terminal Insulation Impedance Monitoring		Yes	
Power Network Monitoring		Yes	
Island Protection Monitoring		Yes	
Earth Fault Detection		Yes	
Over Voltage Load Drop Protection		Yes	
General Data			
Operating Temperature Range(°C)		-40 to +60°C, >45°C Derating	
Permissible Ambient Humidity		0-100%	
Permissible Altitude(m)		2000m	
Noise(dB)		≤25dB	
Ingress Protection		IP67	
Inverter Topology		Isolated	
Monitoring Mode		WiFi	
Dimensions(WxHxD)mm		280.5W×190H×40D(Excluding Connectors and Brackets)	
Weight(kg)		3	
Warranty		10 Years	
Cooling Concept		Natural Cooling	
Grid Regulations		IEC 61727, IEC 62116	
Safety Standards		IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2	